

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/555,917	FLYNN, JASON STUART	
	<b>Examiner</b> <i>K12</i>	<b>Art Unit</b>	
	Kamran Afshar, 703-305-7373	2681	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/4/2004.
2. ☒ The allowed claim(s) is/are 1,5-14 and 17.
3. ☒ The drawings filed on 06 June 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date <u>9/14/2000</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                                | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

## DETAILED ACTION

### *Allowable Subject Matter*

1. Claims 1, 5-14 & 17 are allowed.

The following is an examiner's statement of reasons for allowance: 1, 5-14 & 17.

With respect to claim 1, the prior art of record fails to disclose or render obvious that setting an alternative destination to which data is to be sent when the reachability information indicates that the mobile node to which the data is directed is unreachable, the alternative destination comprising a proxy node; storing the data at said proxy node; and forwarding data stored in the proxy node to the mobile node when the reachability information indicates that the mobile node is reachable.

With respect to claim 11, the prior art of record fails to disclose or render obvious that a service controller configured to set a destination, to which messages directed to the mobile node are to be forwarded when the reachability information indicates that the mobile node is unreachable, the destination comprising a proxy node for storing said data; and means for forwarding data stored in the proxy node to the mobile node when the reachability information indicates that the mobile node is reachable.

With respect to claim 12, the prior art of record fails to disclose or render obvious that maintaining a record of locations through which the data can be routed to the mobile host, and in the event that the data cannot be routed to the mobile host through any of the locations specified in the record, then routing the data to a proxy from which it is available for subsequent retrieval and forwarding to the mobile host when the data can be routed to the mobile host.

With respect to claim 14, the prior art of record fails to disclose or render obvious that a service controller configured to intervene so as to send the data to proxy location, when the data cannot be sent to the mobile host, and sending the data from the proxy location to the mobile host when the mobile host becomes available.

With respect to claim 17, the prior art of record fails to disclose or render obvious that setting a proxy destination to which data is to be sent from a sender of the data and stored only when the

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reachability information indicates that the mobile node is unreachable, said proxy destination being a destination other than the unreachable mobile node, and sending the data stored in the proxy destination to the mobile node when the reachability information indicates that the mobile node is reachable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Kamran Afshar whose telephone number is (703) 305-7373. The examiner can be reached on Monday-Friday.

If attempts to reach the examiner by the telephone are unsuccessful, the examiner's supervisor, David Hudspeth can be reached @ (703) 308-4825. The fax number for the organization where this application or proceeding is assigned is (703) 872-9306 for all communications.

  
**Kamran Afshar**

  
**DAVID HUDSPETH  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600**